

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-12 (canceled).

Claim 13 (currently amended): A device for treating a gas/liquid mixture, comprising:

- a) a tube having an inlet opening for the mixture and an outlet for the mixture located downstream;
- b) rotating means arranged in the tube for setting the mixture into rotating movement;
- c) one or more outlet openings arranged downstream relative to the rotating means for allowing a separated part of the mixture to flow laterally out of the tube;
- d) a return conduit arranged centrally in axial direction through the rotating means for reintroducing the flow which has exited via the outlet openings; and
- e) divergence means ~~arranged close to the outer end of~~ in the return conduit for allowing the reintroduced flow to diverge substantially laterally outward from the return conduit, wherein a flow path of the mixture comprises moving up the tube, over the one or more outlet openings, and reintroducing the flow through the return conduit with the flow diverging substantially laterally outward from the return conduit.

Claim 14 (currently amended): The device as claimed in claim 13, wherein the divergence means comprise slots ~~recessed into an end part of the~~ defined in the return conduit.

Claim 15 (currently amended): The device as claimed in claim 13, wherein the divergence means comprise a substantially conical element ~~close to the outer end of~~ extending into the return conduit.

Claim 16 (previously presented): The device as claimed in claim 13, wherein the outlet openings are formed by a number of longitudinal slots in the side wall of the tube.

Claim 17 (previously presented): The device as claimed in claim 13, wherein the rotating means comprise a swirl element, of which the outflow angle for the mixture amounts to 15°- 85°.

Claim 18 (previously presented): The device as claimed in claim 17, wherein the outflow angle amounts to about 45°, about 60° or about 70°.

Claim 19 (previously presented): The device as claimed in claim 13, wherein 50% of droplets in the separated part of the mixture have a diameter of 4 μm or less.

Claim 20 (currently amended): An installation for separating water from gas, comprising:

- a) a vessel provided with a connecting stub for supply of the mixture;
- b) a drain conduit for draining liquid collected in the bottom of the vessel;

and

c) one or more boxes in which one or more devices for treating a gas/liquid mixture, wherein the device comprises:

a tube having an inlet opening for the mixture and an outlet for the mixture located downstream;

rotating means arranged in the tube for setting the mixture into rotating movement;

one or more outlet openings arranged downstream relative to the rotating means for allowing a part of the mixture to flow laterally out of the tube;

a return conduit arranged centrally in axial direction through the rotating means for reintroducing the flow which has exited via the outlet openings; and

divergence means ~~arranged close to the outer end of~~ in the return conduit for allowing the reintroduced flow to diverge substantially laterally outward from the return conduit, wherein a flow path of the mixture comprises moving up the tube, over the one or more outlet openings, and reintroducing the flow through the return conduit with the flow diverging substantially laterally outward from the return conduit.

Claim 21 (previously presented): The installation as claimed in claim 20, wherein at least one liquid conduit extends between the box and the space in the bottom of the vessel where the liquid is collected.

Claim 22 (previously presented): A device for treating a gas/liquid mixture according to claim 13, comprising:

- a) a tube having an inlet opening for the mixture;
- b) rotating means arranged in the tube for setting the mixture into rotating movement; and
- c) a substantially conically tapering outlet for the mixture located downstream, wherein one or more slots are arranged to allow a part of the mixture to flow laterally out of the outlet.

Claim 23 (previously presented): The device as claimed in claim 22, wherein the conicity of the tapering outlet amounts to 1° - 30° .

Claim 24 (previously presented): The device as claimed in claim 22, further including an additional tube part which protrudes at least partially upstream in the outlet.

Claim 25 (new): The device as claimed in claim 13, wherein the divergence means comprises a closed end.

Claim 26 (new): The device as claimed in claim 20, wherein the divergence means comprises a closed end.

Claim 27 (new): A device for treating a gas/liquid mixture, comprising:

- a) a tube having an inlet opening for the mixture and an outlet for the mixture located downstream;
- b) rotating means arranged in the tube for setting the mixture into rotating movement;
- c) one or more outlet openings arranged downstream relative to the rotating means for allowing a separated part of the mixture to flow laterally out of the tube;
- d) a return conduit arranged centrally in an axial direction through the rotating means for reintroducing the flow which has exited via the outlet openings; and
- e) a divergence element in the return conduit, the divergence element forming an obstruction in the reintroduced flow path causing the reintroduced flow to diverge substantially laterally outward from the return conduit.

Claim 28 (new): The device as claimed in claim 27, further comprising slots defined in the return conduit.

Claim 29 (new): The device as claimed in claim 27, wherein the divergence element comprises a substantially conical element extending into the return conduit.

Claim 30 (new): The device as claimed in claim 27, wherein the outlet openings are formed by a number of longitudinal slots in the side wall of the tube.

Claim 31 (new): The device as claimed in claim 27, wherein the rotating means comprises a swirl element, of which the outflow angle for the mixture amounts to 15°-85°.

Claim 32 (new): The device as claimed in claim 31, wherein the outflow angle amounts to about 45°, about 60° or about 70°.